

# General tolerances - Part 2: Geometrical tolerances for features without individual tolerance indications



According to ISO 2768-1:1989, EN 22768-2:1993

## General tolerances on straightness and flatness

Tolerance class	Straightness and flatness tolerances for ranges of nominal lengths					
	up to 3	over 10 up to 100	over 30 up to 100	over 100 up to 3000	over 300 up to 1000	over 1000 up to 3000
H	0.02	0.05	0.1	0.2	0.3	0.4
K	0.05	0.1	0.2	0.4	0.6	0.8
L	0.1	0.2	0.4	0.8	1.2	1.6

Values in millimeters

## General tolerances on perpendicularity

Tolerance class	Perpendicularity tolerances for ranges of nominal lengths of shorter side			
	up to 100	over 100 up to 300	over 300 up to 1000	over 1000 up to 3000
H	0.2	0.3	0.4	0.5
K	0.4	0.6	0.8	1
L	0.6	1	1.5	2

Values in millimeters

## General tolerances on symmetry

Tolerance class	Symmetry tolerances for ranges of nominal lengths			
	up to 100	over 100 up to 300	over 300 up to 1000	over 1000 up to 3000
H	0.5			
K	0.6		0.8	1
L	0.6	1	1.5	2

Values in millimeters

## General tolerances on circular run-out

Tolerance class	Circular run-out tolerances
H	0.1
K	0.2
L	0.5

Values in millimeters